

JC955 U.S. PTO  
10/020041  
12/14/01

Docket No. UNIVP111USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant: Izatt et al.  
Serial No.: Unknown - Reissue application of U.S. Patent No. 6,002,480  
Filed: Herewith  
For: DEPTH-REVOLVED SPECTROSCOPIC OPTICAL COHERENCE TOMOGRAPHY  
Art Unit: Unknown  
Examiner: Unknown

INFORMATION DISCLOSURE STATEMENT

Box Reissue  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Patent No. for which reissue is being applied for: 6,002,480  
Issue Date: 12/14/99

*If copies of the documents are required, please advise, and the applicants would be glad promptly to furnish copies.*

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a) ☐ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b) ☐ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) ☒ Within 3 months of the filing date, date of entry into the National Stage, or filing date of CPA.
- (b) ☐ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988 for consideration of this Statement.
- (c) ☐ Before the mailing date of a first Office Action on the merits after a first or second submission after final rejection under 37 C.F.R. 1.129(a).

(d) \_\_\_\_ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1) \_\_\_\_ The required certification is given below, or

(2) \_\_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) \_\_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988

(e) \_\_\_\_ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1) \_\_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p), or

(2) \_\_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988.

4. Certification (if applicable)

(a) \_\_\_\_ The undersigned hereby certifies that each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

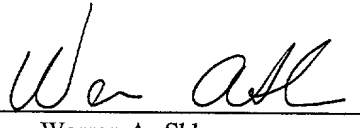
(b) \_\_\_\_ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 18-0988.

Respectfully Submitted,

RENNER, OTTO, BOISSELLE & SKLAR, LLP

By

  
Warren A. Sklar  
Reg. No. 26,373

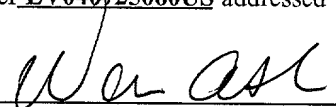
1621 Euclid Avenue, 19th Floor  
Cleveland, Ohio 44115  
(216) 621-1113

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as part of the filing of a reissue patent application, as "Express Mail Post Office to Addressee" Mailing Label Number EV040725060US addressed to the: Box Reissue, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date:

12-14-01

  
Warren A. Sklar

Form PTO-1449 (Modified)  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	Atty Docket No.	Serial No.
	UNIVP111USA	Unknown
	Applicant: Joseph A. Izatt et al.	
	Filing Date	Group
	Herewith	Unknown

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-class	Filing Date if Appropriate
	4,063,549	12/1977	Beretsky et al.			
	5,158,090	10/1992	Waldman et al.			
	5,200,819	4/1993	Nudelman et al.			
	5,353,802	10/1994	Ollmar			
	5,459,570	10/1995	Swanson et al.			
	5,491,524	2/1996	Hellmuth et al.			
	5,493,109	2/1996	Wei et al.			
	5,501,226	3/1996	Petersen et al.			
	5,549,114	8/1996	Petersen et al.			
	5,565,986	10/1996	Knuttel			
	5,644,642	7/1997	Kirschbaum			

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation	
						Yes	No

## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
	R.C. Youngquist et al., Optical Coherence-Domain Reflectometry: A New Optical Evaluation Technique. <i>Optics Letters</i> . Vol 12. No. 3. Pp. 158-160 (Mar. 1997)
	D. Huang et al., Optical Coherence Tomography, <i>Science</i> , vol. 254, pp. 1178-1181 (Nov. 22, 1991)
	A. Papoulis, <i>Systems and Transforms with Applications in Optics</i> . Pp. 254-293. McGraw-Hill Book Company (1968)

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
	J.M. Mendel, <i>Maximum-Likelihood Deconvolution, A Journey into Model-Based Signal Processing</i> . Springer-Verlag New York Inc., pp. 1-77 (1990)
	J. Izat et al., Micron-Resolution Biomedical Imaging with Optical Coherence Tomography. <i>Optics &amp; Photonics News</i> (Oct. 1993)
	M. Siddique et al., Time-Resolved studies of stimulated emission from colloidal dye solutions. <i>Optics Letters</i> , vol. 21. No. 7 (Apr. 1, 1996)
	R.M. Balachandra et al., Laser action in polymeric gain media containing scattering particles. <i>Applied Optics</i> , vol. 35, No. 4 (Feb 1, 1996)
	N.M. Lawandy et al., Laser action in strongly scattering media. <i>Nature</i> , vol. 368 (Mar. 31, 1994)
	P.L. Francois et al., Three Ways to Implement Interferential Techniques: Application to Measurements of Chromatic Dispersion, Birefringence, and Nonlinear Susceptibilities. <i>Journal of Lightwave Technology</i> , vol. 7, No. 3 (Mar. 1989)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#### Information Disclosure Statement PTO-1449 (Modified)

The identification of any reference is not intended to be, and should not be understood as being, an admission that such publication, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given reference may have a later effective date than first seems apparent or the reference may have an effective date which can be antedated. The "prior art" status of any reference is a matter to be resolved during prosecution.

C:\113\WAS\UNIV\P111USA\IDS-1449.wpd (IDS1449.FRM) (2/97)